

New U.S. Patent Appln.
PRELIMINARY AMENDMENT

PATENT

IN THE ABSTRACT:

Please replace the original abstract with the attached
substitute abstract.

ABSTRACT

An apparatus to deliver air to a patient through a mask, including an air blower (33) where the impeller (5) is rotated by an electromotor including a rotor (3) and a stator (8), the stator having at least three sectors (8a, 8b and 8c), the rotation of the rotor being enabled by changes of the polarity of the sectors, each sector's polarity configuration constituting one step of the rotor's rotation, the apparatus including a driving unit (36) changing the sectors' polarity when the rotor is at its optimal position, so that the efficiency of the electromotor enables the blower to have fast accelerations and decelerations within one patient's breath step, the breath step consisting of one inspiration and one expiration.